

The Contributors to this Issue

RAY S. HOYT, B.S. in electrical engineering, University of Wisconsin, 1905; Massachusetts Institute of Technology, 1906; M.S., Princeton, 1910. American Telephone and Telegraph Company, Engineering Department, 1906-07. Western Electric Company, Engineering Department, 1907-11; American Telephone and Telegraph Company, Engineering Department, 1911-19; Department of Development and Research, 1919—. Mr. Hoyt has made contributions to the theory of transmission lines and associated apparatus, and more recently to the theory of crosstalk and other interference.

ARTHUR F. ROSE, B.S., Colorado College, 1914. Engineering Department, American Telephone and Telegraph Company, 1914-19; Department of Operation and Engineering, 1919—. Mr. Rose's work has been largely in connection with carrier, general transmission and radio matters.

EDWARD B. CRAFT, Engineering Department, Western Electric Company, Chicago, 1902-7; Development Engineer, Western Electric Company at New York, 1907-18; Assistant Chief Engineer, 1918-22; Chief Engineer, 1922—.

Mr. Craft has been in charge for the Western Electric Company, of the entire program of development work along machine switching lines. He has written papers on radio telephony and electrical communications in war time.

L. F. MOREHOUSE, B.S., University of Michigan, 1897; A.M., 1904; instructor in physics, University of Michigan, 1902-4; junior professor of Electrical Engineering, 1904-6; Transmission Engineer for Western Electric Company in Europe, 1906-9; Equipment Engineer, American Telephone and Telegraph Company, 1909-19; Equipment Development Engineer, 1919—. Mr. Morehouse is responsible for the development and research work affecting the central office and substation equipment of the Bell System, and for the establishment of such standards of central office and substation equipment as are warranted by the results of this development and research work.

H. P. CHARLESWORTH, B.S., Massachusetts Institute of Technology, 1905; Engineering Department, American Telephone and Telegraph Company, 1905-19; Equipment and Transmission Engineer, Department of Operation and Engineering, 1919; Plant Engineer, 1920—. Mr. Charlesworth has had broad experience in the development of telephone equipment and with traffic conditions and the standardization of operating methods and practices.

R. V. L. HARTLEY, A.B., Utah, 1909; B.A., Oxford, 1912; B.Sc., 1913; instructor in physics, Nevada, 1909-10; Engineering Department, Western Electric Company, 1913—. For some time Mr. Hartley has been closely connected with the development of carrier current, telephone repeater, and telegraph systems.

I. W. GREEN, Graduate in Applied Electricity, Pratt Institute, 1905; Engineering Department, New York and New Jersey Telephone Company, 1905-7; Engineering Department, New York Telephone Company, 1907-19; Department of Development and Research, American Telephone and Telegraph Company, 1920—. Mr. Green has been engaged on foreign wire relations and more recently on the design of subscribers' apparatus and special problems, such as the public address system.

W. H. MARTIN, A.B., Johns Hopkins University, 1909; S.B., Massachusetts Institute of Technology, 1911. American Telephone and Telegraph Company, Engineering Department, 1911-19; Department of Development and Research 1919—. Mr. Martin's work has related particularly to loading, quality, and transmission of telephone sets and local circuits.

JOSEPH P. MAXFIELD, S.B. in Electrochemistry, Massachusetts Institute of Technology, 1910, assistant instructor in Electrochemistry, 1910-12; instructor in Physics, 1912-14; Engineering Department, Western Electric Company, 1914—. In addition to being closely in touch with the development of loud speaker systems, Mr. Maxfield's work has covered the fundamental study of microphonic contacts.

A. B. CLARK, B.E.E., University of Michigan, 1911; American Telephone and Telegraph Company, Engineering Department, 1911-19; Department of Development and Research, 1919—. Mr. Clark's work has been connected with toll telephone and telegraph systems.